

## Product datasheet for **AR51655PU-N**

### ACTR3 (1-418, His-tag) Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | ACTR3 (1-418, His-tag) human recombinant protein, 0.5 mg   |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMAGRLPA CVVDCGTGYT KLG YAGNTEP QFIIPSCIAI<br>KESAKVGDQA QRRVMKGVDD LDFFIGDEAI EKPTYATKWP IRHGIVEDWD LMERFMEQVI<br>FKYLRAEPED HYFLLTEPPL NTPENREYTA EIMFESFNVP GLYIAVQAVL ALAASWTSRQ VGERLTGTV<br>IDSGDGVTHV IPVAEGYVIG SCIKHIPIAG RDITYFIQQL LRDREVGIPP EQSLETAKAV KERYSYVCPD<br>LVKEFNKYDT DGSKWIKQYT GINAISKKEF SIDVGYERFL GPEIFFHPEF ANPDFTQPIS EWWDEVIQNC<br>PIDVRRPLYK NIVLSGGSTM FRDFGRRLQR DLKRTVDARL KLSEELSGGR LKPKPIDVQV<br>ITHHMQR YAV WFGGSMLAST PEFYQVCHTK KDYEEIGPSI CRHNPVFGVM S |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 49.8 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >85% by SDS - PAGE   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.   |
| Preparation:                          | Liquid purified protein  |
| Protein Description:                  | Recombinant human ACTR3 protein, fused to His-tag at N-terminus, was expressed in E.coli.  |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.  |
| RefSeq:                               | <a href="#">NP_001264069</a>   |
| Locus ID:                             | 10096  |
| UniProt ID:                           | <a href="#">B4DXW1</a>   |
| Cytogenetics:                         | 2q14.1   |
| Synonyms:                             | ARP3   |



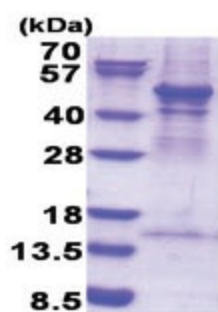
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**Summary:**

The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Mar 2013]

**Protein Families:**

Druggable Genome

**Product images:**

15% SDS-PAGE (3ug)